



# आरत का राजपत्र

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नई विल्सी, शनिवार, फरवरी 14, 1970 (माघ 25, 1891)  
NEW DELHI, SATURDAY, FEBRUARY 14, 1970 (MAGHA 25, 1891)

इस भाग में भिन्न पृष्ठ संलग्न भी आती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paglag is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बंधित प्रधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

##### Patents and Designs

Calcutta, the 14th February 1970

##### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

24th January 1970

124978. Madan Mohan Dey and Madhu Sudan Dey. Improvements in or relating to miners' torches.

124979. Zaklady Cynkowe "Silesia" Przedsiebiorstwo Państwowe. Zinc refining apparatus.

124980. Mueller Co. Pipe coupling.

124981. New Central Jute Mills Company Limited. Process for the simultaneous production of soda ash and ammonium chloride by using 98 (ninety-eight) per cent concentrated carbondioxide by-product of the ammonia plant.

124982. P. C. Sukumar. An automatic rice cooker.

124983. Danfoss A/S. Supply and discharge distributor comprised of several components.

124984. M. R. Jivani. Automatic fuel stopping device.

124985. General Electric Company. Width gage for plate mill.

124986. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the optical brightening of fibrous materials made from polyacrylonitrile.

124987. I. B. Altshuler, V. S. Kildishev, A. M. Korelshtein, I. N. Peregudov, L. Y. Stanislavsky, M. B. Fainshtein, P. R. Domrich, J. A. Penkin. Rotor for an electrical machine particularly for an electrical machine having a vertical axis of rotation.

124988. Agripat S. A. Compositions for controlling insects and arachnids, and developmental stages thereof.

124989. Shell Internationale Research Maatschappij N. V. Surface-active compounds and a process for preparing the same.

124990. The Goodyear Tire & Rubber Company. Improvements in tire building method and machine.

124991. Societe E. J. Barbier. Improvements in explosives.

124992. Baumgartner Freres S. A. Miniaturized electric source.

124993. Sangamo Weston Limited. Improvements in or relating to electrical measuring instruments.

124994. Council of Scientific and Industrial Research. Improvements in or relating to techniques for the manufacture of products of complicated shapes by extrusion method.

27th January 1970

124995. K. S. Hattangandi and Shantaram Ramanand Ganguli. Improvement in or relating to compositions of cashew nut shell oil, bhilawala oil and thus vernicifera oil for use as weedicides.

124996. UCB (Union Chimique-Chemische Bedrijven) S. A. Continuous process for the preparation of maleic anhydride from an aqueous solution of maleic acid. (30th January 1969).

124997. Imperial Chemical Industries Limited. Catalyst recovery. (27th January 1969).

124998. Stamicarbon N. V. Process for treating urea granules.

124999. Imperial Chemical Industries Limited. Catalytic fluorination process. (25th February 1969).

125000. Sulzer Brothers Limited. Valve systems.

125001. Institut Gornogo Dela Imen A. A. Skochinskogo. Multiple-action radial-piston hydraulic motor.

125002 R C Palhan A safety device for the locomotives  
 125003 Tenby India (Private) Limited Rocker operated flush range switch and accessories  
 125004 S D Patel Equipment for depth control or tractors  
 125005 Ciba Limited Use of arylureas in combating weeds in cotton plantations  
 125006 I Hoffmann-La Roche & Co, Aktiengesellschaft Therapeutically active composition  
 125007 A Losfeld Improvements in or relating to universal projectile  
 125008 The United Steel Companies Limited Continuous casting machines (17th February 1969) [Addition to No 106684]  
 125009 British Railways Board Improvements in or relating to railway track maintenance (30th January 1969)  
 125010 Union Carbide Corporation Ethylene polymers, and process for their preparation [Divisional date 11th November 1968]  
 125011 Sandoz Ltd Azo dyes their production and use  
 125012 International Paper Company Paper web formation using dual fabrics  
 125013 Veba Chemie Aktiengesellschaft Carbonyl compounds containing 2 to 4 C atoms and method for producing the same  
 125014 Merck & Co Inc Preparation of phosphonic acid derivatives and intermediates  
 125015 N V Philips Gloeilampenfabrieken Voltage dependent resistor  
 125016 Pve Limited Improvements in or relating to closed circuit medical respirators (30th January 1969)  
 125017 K M Pillai A chemical preparation for the treatment of brown bast in *Hevea*  
 125018 A K Jain Automatic electric table lamp  
 125019 S S Shah Improvements in or relating to a mount device for mounting machine tools and the like

28th January 1970

125020 Robindra Nath Chatterjee Brake on rear wheels of cycle rickshaw  
 125021 B Jam Push pull umbrella  
 125022 Fiat Societa Per Azioni Sealed valve with electro-  
 125023 Universal Oil Products Company Process for hydrotreating light cycle oils  
 125024 Farbenfabriken Bayer Aktiengesellschaft Coating agents  
 125025 Farbenfabriken Bayer Aktiengesellschaft N arylureas  
 125026 Imperial Chemical Industries Limited Hot melt adhesives  
 125027 Ciba of India Limited New heterocyclic compounds, process for their preparation and compositions containing them  
 125028 Fiat Societa Per Azioni Sealed valve with electromagnetic action  
 125029 Consolidation Coal Company Hydrocracking of polynuclear hydrocarbons in the presence of zinc halide catalyst (29th January 1969)  
 125030 University of Strathclyde Pteridine derivatives and method  
 125031 Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning Process for the manufacture of 3  $\beta$ -hydroxy-5  $\beta$ -cardenolides  
 125032 Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning Process for the manufacture of 3  $\beta$ -hydroxy-5  $\beta$ -cardenolides

125033 Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning Cardio active pyranosides of 3  $\beta$ -hydroxy 4-chloro carda 4, 20(22)-dienolides and process for their manufacture  
 125034 Mahle Komm Ges Improvements in or relating to pistons for internal combustion engines, especially for diesel engines  
 125035 C Conradty High capacity electrode (12th December 1969)  
 125036 C Conradty Hollow electrodes (12th December 1969)  
 125037 C Conradty Electrodes for electric arc furnaces (12th December 1969)  
 125038 Cabot Corporation Improvements in wet pelletizing process and apparatus  
 125039 Ciba Limited New aromatic keto compounds, their manufacture and use  
 125040 N V Philips Gloeilampenfabrieken Capacitive store  
 125041 N V Philips Gloeilampenfabrieken Method of manufacturing whiskers  
 125042 N V Philips Gloeilampenfabrieken Relating to semi-conductor devices comprising a hetero-junction  
 125043 Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning Water-soluble metal-containing disazo dyestuffs and process for their manufacture  
 125044 Compagnie Des Compteurs Phase comparing process and device

29th January 1970

125045 Kalyani Varadarajan Wallfix  
 125046 (Mrs) Jasbir Chowdhary, and (Mr) D K Ochaney The manufacture of a device for cutting large size double line letters on duplicating stencil  
 125047 Imperial Chemical Industries Limited Catalyst for polyesterification (4th February 1969)  
 125048 Skega Aktiebolag Device for sealing of a rotary shaft  
 125049 Richardson Merrell Inc Microscope slide  
 125050 United Kingdom Atomic Energy Authority Improvements in or relating to the method of reducing wear (7th February 1969)  
 125051 American Gage & Machine Company Distributor advance tester with tachometer  
 125052 Mitsubishi Denki Kabushiki Kaisha Control system for electric vehicles  
 125053 The Shoe & Allied Trades Research Association Improvements in and relating to shoe making (29th January 1969)  
 125054 Institut Francais Du Petrole Des Carburants Et Lubrifiants Process for vulcanizing polymers of saturated cyclic ethers [Divisional date 24th October 1968]  
 125055 Poznanska Fabryka Lozyk Toczych Double-row self aligning bearing  
 125056 Minnesota Mining and Manufacturing Company S, S substituted 2,2-thio-sulfinyl- and sulfonyl alkanal and alkanone n substituted carbamoyloximes and their carbamoyl derivatives  
 125057 Ciba Limited Process for the reduction of dinitriles

30th January 1970

125058 R Shah Composite bulb  
 125059 Kulty Flush Doors & Furniture Co Private Ltd An improved and economical bonded door shutter  
 125060 The Dunlop Company Limited Improvements in or relating to reinforced rubber or plastic articles [Divisional date 27th July 1968]

125061. The Dunlop Company Limited. Improvements in or relating to reinforced rubber or plastics articles. [Divisional date 27th July 1968].

125062. The Dunlop Company Limited. Polyurethane foams. (31st January 1969).

125063. Amicon Corporation. Continuous ultrafiltration of macromolecular solutions.

125064. Wilkinson Sword Limited. Improvements in and relating to razor blades.

125065. Thomson International Corporation. Fail safe thermostatic fluid valve structure.

125066 "Manufacture Quenot" "Mabo". Improvements in or relating to measuring tapes.

125067. Teijin Limited. Drawing process of polyester filaments.

125068. Electro-Nite, S. A. Method for checking the quality of a molten metal bath and device for the working thereof.

125069. Merck-Anlagen-Gesellschaft MBH. 9  $\alpha$ -fluoro-16-fluoromethylene-prednisolone-21-ester and preparation thereof.

125070. D. S. Sarna, S. S. Sarna, S. S. Sarna, B. S. Sethi. A mechanical cleaner capable of cleaning a surface such as a floor or carpet.

125071 U Singh. An intermediate frequency circuit or a bandpass filter adapted to be used in a video amplifier.

125072. The Dunlop Company Limited. Polyurethane foams (31st January 1969).

#### Alteration of Date

123800. Ante-dated to 17th May 1968 under Section 5 of the Act.

124776. Ante-dated to 17th April 1968 under Section 5 of the Act.

123562. Ante-dated to 6th May 1968 under Section 5 of the Act.

123561. Ante-dated to 6th May 1968 under Section 5 of the Act.

124667. Ante-dated to 18th April 1968 under Section 5 of the Act.

124666. Ante-dated to 18th April 1968 under Section 5 of the Act.

124668. Ante-dated to 18th April 1968 under Section 5 of the Act.

117855 The claim to priority date 29th September 1967 has been abandoned and the application dated as of 3rd October 1968, the date of filing in India.

119730. The claim to priority date 15th February 1968 has been disallowed and the application dated as of 10th February 1969, the date of filing in India.

#### Applications accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

115475. Siemens Aktiengesellschaft. A helical-flow vortex separator. Accepted on 17th January 1970.

Comprising a separator vessel with a purified gas out let, an inlet conduit, a coaxial ring guide vanes in the inlet conduit, an axial flow control member in the inlet conduit and an outlet conduit for that portion of the gas flowing along the central region of the inlet conduit down stream of the flow control member.

115483. D. N. M. Grataloup. A process for the erection of buildings utilizable particularly as residential houses. Accepted on 17th January 1970.

Comprising the steps of preparing a site for the foundations, erecting supporting arches having base ends to form a shell skeleton; installing an armature with its extremities inter-connecting the base ends of the arches, fixing under the armature a lattice, securing longitudinal reinforcing girders to the armature, securing inner partitions and skeletons of furniture to the armature, securing a metal lattice to the skeleton, installing plumbing and electric wiring, spraying concrete from within the skeleton and spraying from exterior of the skeleton to form a first coating, spraying on to the first coating a second coating and covering this coating with a plastic coating and spraying a coating on to the inner surface of the skeleton.

115499. R. G. DePenning. An automatic xerographic reproducing machine. Accepted on 19th January 1970.

Including feeding means, exposure means, optical means, light pattern image size varying means, means for maintaining photoreceptive surface in a flat condition, means for advancing photoreceptive surface, means to develop image, means to transfer developed image to a support and fixing means.

115532. N. V. Philips Gloeilampenfabrieken. A method of manufacturing multiple conductive lead-in members. Accepted on 20th January 1970.

Comprising the steps, conductive elements applied on substrate by VLS, insulating material provided substrate removed.

115554. Argus Chemical Corporation. Improvements in or relating to mercapto and thiohydrazides and/or ureides and stabilizer compositions thereof. Accepted on 22nd January 1970.

Stabilizer combination containing mercapto and thiohydrazides and/or ureides and at least one polymer stabilizer to enhance the resistance of olefin polymers to copper-catalyzed oxidative deterioration.

115562. E. I. du Pont de Nemours and Company. Graft copolymer process for preparing the same, a dispersion of film forming polymer containing the said graft copolymer and a coating composition comprising said dispersion. [Addition to No. 9947]. Accepted on 24th January 1970.

Comprises polymerising graft component-polymer of mono-olefinically unsaturated monomers with back bone component copolymer of one mono-olefinically unsaturated monomer and 0.5—20% of monomer providing grafting sites, in presence of known grafting initiator.

115578. Sun Oil Company. Process for preparation of an aromatic hydrocarbon non-discoloring rubber processing oil and light colour rubber vulcanizate prepared from said oil. Accepted on 24th January 1970.

Comprises (a) contacting naphthalic distillate feed with a solid sulphided nickel molybdenum hydrogenation catalyst; (b) contacting at least major portion of the product of step (a) in the presence of hydrogen with a solid hydrogenation dehydrogenation catalyst.

115594. Agripat S. A. Insecticidal and acaricidal compositions and process for producing the same. Accepted on 27th January 1970.  
*Insecticidal and acaricidal composition in the form of emulsion and dispersions characterised in that it contains one imidazole derivative in admixture with carriers and distributing agents.*

115604. Molins Machine Company Limited. A numerically-controlled machine tool installation. (5th May 1967). Accepted on 27th January 1970.  
*Comprising a plurality of numerically controlled machine tools each having automatic means for locating a pallet of a common form, a work-setting location, transport means and control means.*

115658. The Standard Oil Company. Process for separating acetonitrile from an  $\alpha$ - $\beta$ -mono-olefinically unsaturated nitrile in solution. (1st May 1967). Accepted on 22nd January 1970.  
*Feeding the mixture of acetonitrile and unsaturated nitrile in a solvent, into a stage in upper half of a multiplicity of inter communicating extractive distillation stages, removing crude unsaturated nitrile from condensed overhead vapour and introducing the liquid withdrawn from lowest of extractive distillation stages in upper half of multiplicity of intercommunicating countercurrent contacting stages and so on.*

115707. May & Baker Limited. Process for the preparation of hydroxybenzonitriles. Accepted on 30th January 1970.  
*Comprises dealkylating an alkoxybenzonitrile by reaction with a phenol derivative.*

115722. Ventron Corporation. Improved method of dyeing a substrate. Accepted on 22nd January 1970.  
*Dyeing a substrate with a reducible dye-stuff comprising simultaneously impregnating the substrate with the dyestuff and reducing chemicals while maintaining temperature low removing the excess of impregnating substances and heating the substrate to an effective dyeing temperature.*

115759. Imperial Chemical Industries Limited. Catalytic process for the manufacture of pyridine and methylpyridines. (6th October 1967). Accepted on 27th January 1970.  
*Interacting vapor phase ammonia and acrolein in presence of molecular oxygen and silica and/or alumina impregnated with fluoride ions.*

115762. Rolls Royce (Composite Materials) Limited (formerly known as Bristol Aeroplane Plastics Limited). Method of joining two units and a honeycomb structure obtained thereby. (11th May 1967). Accepted on 29th January 1970.  
*Comprises two skins, between which are mounted a plurality of units having end walls which carry webs.*

116093. Gosudarstvenny Vsesojuzny Institut Po Proektirovaniyu Predpriyatii Koxokhimicheskoi Promyshlennosti. Device for discharging gas from a closed space particularly from gas collecting mains of a coke oven battery. Accepted on 21st January 1970.  
*Comprising a cutting-off member, a housing and branch pipe forming together a hydraulic seal connected to supply and drain hydraulic lines.*

116116. Dorr-Oliver Incorporated. Phosphorus removal by membrane treatment. [Addition to No. 112146]. Accepted on 22nd January 1970.  
*Treating phosphorus containing waste stream to produce an effluent stream of minimal phosphorus content by adding calcium ions to react with the phosphorus containing waste stream to precipitate out calcium phosphate.*

116253. Agricultural Tools Research Centre. Improvements in or relating to the weeding hoe. Accepted on 24th January 1970.  
*Comprises a rectangular steel blade, a handle fixed to said blade the axis of the handle making an exterior angle of 65—70° preferably 70° with cutting edge of said blade.*

116318. Foster Wheeler Corporation. Ammonia production process. Accepted on 22nd January 1970.  
*Comprising (a) reacting oxygen, superheated steam and a carbonaceous fuel, (b) subjecting this gas stream to a catalytic shift reaction, (c) removing by methods known per se carbon dioxide and carbon monoxide, (d) adding any nitrogen required in accordance with hydrogen:nitrogen stoichiometric requirements for the synthesis of ammonia and, either before or after the addition of nitrogen, compressing the gas stream, (e) returning the exhausted heat products from the process to the vapour generator.*

116630. Azerbaidzhansky Filial Vsesojuznogo Nauchno-Issledovatelskogo Instituta Prirodnykh Gazov. Process for separation of natural gas into individual components such as methane, ethane, propane and butene and for production of stable gasoline. Accepted on 24th January 1970.  
*Process for the separation of natural gas into individual components and for the production of stable gasoline which comprises subjecting the natural gas to adsorption, and desorption techniques.*

116396. Buckman Laboratories, Inc. Microboidal compositions. Accepted on 27th January 1970.  
*Comprising 5—95 per cent by weight of an organic thiocyanate to which added 95—5 per cent by weight of a 2-hydroxy alkyl ester of an organic thiosulfonic acid.*

116431. Canadian Industries Limited. A device for heat sealing plastics films. (22nd June 1967). Accepted on 24th January 1970.  
*Wherein the heating element being separated from the metallic sheath by a layer of a material having a lower rate of heat transfer than the metallic sheath.*

116444. Hitachi Ltd. An ac elevator controlling apparatus. Accepted on 21st January 1970.  
*A traction sheave having a rope hung thereon, an elevator cage attached to said rope, one induction motor for driving said traction sheave, and control means for said induction motor.*

116651. Toyo Rayon Company Limited. A method for manufacturing high tenacity polycapramide filaments. Accepted on 24th January 1970.  
*The improvement characterised by drawing filaments in at least three stages further drawing filaments in at least two earlier stages of said drawing at a selected condition for causing to produce filaments having a birefringence of filaments in said earlier stages of drawing not exceeding  $45 \times 10^{-8}$ .*

116455. I. Ahmad. A device and a method for separating kernels or grains from the fibrous stalk portions of a harvest. Accepted on 27th January 1970.  
*A set of cutters mounted on a frame, first means below the cutters for removing the kernels from the fibrous stalk and second means below said first means for collecting the kernels and transporting same if necessary and third means below said first means for winnowing the light fibrous product falling there through and driving means for operating the said cutter.*

116464. Interfels Internationale Versuchsanstalt Fur Fels G. M. B. H. Device for accurate measurement of longitudinal change in mountainous bodies and construction works. Accepted on 27th January 1970.

Comprising a protruded measuring rod fitted inside a protective casing and detachably connected at its bottom and to a solid pointed anchoring head by a tubular coupler, the coupler having a bush which has at least two axial notches of different lengths on the edge facing the anchoring head and another pair of longitudinal grooves in the inside surface of the bush for passing a lock mandril fitted to a guiding from secured at the coupling end of the rod, a stationary measuring plate and a known reading recording device installed over the measuring plate.

116855. Ateliers De La Motobecane. Improvements relating to auto-cycles. Accepted on 18th January 1970.

Characterised in that two bearings for pivoting the engine on the frame are respectively fixed to the extensions of the arms of the rear fork.

116910. Amsted Industries Incorporated. Truck bolster for railway vehicle. Accepted on 22nd January 1970.

One or more internal box sections extending longitudinally within the bolster substantially beneath the center plate.

116929. Westinghouse Electric Corporation. Transistor. Accepted on 24th January 1970.

Comprising a semiconductor body having a base region of one conductivity type, an emitter region of opposite conductivity type and a collector region.

116948. Chorl Company, Ltd. A splitter for splitting synthetic resin film or sheet. Accepted on 27th January 1970.

Comprises a plurality of toothed cutter disks and washer members alternately stacked in parallel and mounted on a common shaft, each element of said cutter disk and washer member housing a radial cut gap and being combined together such that the cut gaps are arranged in alignment.

116973. Farbenfabriken Bayer Aktiengesellschaft. Dyestuffs of the perylene series process for their production, lacquers, synthetic organic materials, printing inks and pigment pastes coloured with or containing said dyestuffs. Accepted on 27th January 1970.

Characterised by reacting in a molar ratio of 1 : 2 perylene-3, 4, 9, 10-tetracarboxylic acids with hydrazine derivatives.

116998. D. Delerue. Winding apparatus for producing annular filamentary package. Accepted on 27th January 1970.

Comprises a spindle, a yarn guide means, a shaft, a fixed helical guide means and lost motion means connected to the shaft.

117060. Moskovsky Ordona Trudovogo Krasnogo Znameni Inzhenerno-Stroitelny Institut Imeni V. V. Kuibysheva. Method of manufacturing structural elements based on mineral binders and plant for its accomplishment. Accepted on 30th January 1970.

Characterised in that, in the course of work-piece moulding with vibration the mix is heated in an electromagnetic field.

117063. Southwestern Industries, Inc. Constant velocity universal joint. Accepted on 30th January 1970.

Comprising at least two linkage system for interconnecting the drive and driven shafts, each system comprising two first hinge axes, two second hinge axes and three rigid links, the system being symmetrical about a plane normal to and disposed midway along a line between said reference point and means at each end of the system adapted for securing the system between the shafts.

117074. Dorr-Oliver Incorporated. Process for the manufacturing of phosphoric acid. Accepted on 24th January 1970.

Comprises reacting by product calcium sulphate with ammonium carbonate, reacting the thus produced ammonium sulphate solution with fluosilicic acid, reacting ammonium fluosilicate crystals with ammonium bisulphate, recycling the regenerated fluosilicic acid for further reaction with ammonium sulphate solution, decomposing the ammonium sulphate melt, and utilizing regenerated sulphuric acid in the acidulation of phosphatic material to produce phosphoric acid.

117315. Kureha Kagaku Kogyo Kabushiki Kaisha. Agricultural fungicide and bactericide and a process for the preparation of same. Accepted on 24th January 1970.

Reacting 1, 2-bis-(dichloromethyl)-3, 4, 5, 6-tetrachloro benzene with sulfuric acid.

117404. Council of Scientific and Industrial Research. A new machine (manual scaffold hoist) for lifting construction material and equipment. Accepted on 27th January 1970.

Comprising a chassis, a thrust bearing and swivelling gear mounted on it, a base consisting of a shaft passing through the thrust bearing and supporting a drum for winding and unwinding a hooked rope passing over a pulley held by a boom.

117419. A. D. Cruz. Improvements in or relating to cooking vessels and method of manufacturing such vessels. Accepted on 24th January 1970.

Comprising a jacketed vessel consisting of an outer vessel and an inner vessel, a cast iron disc is provided in between the base of outer vessel and the base of inner vessel a cast iron disc with large opening is provided on the inner vessel and a jacket lead.

117425. Farbenfabriken Bayer Aktiengesellschaft. Phenylhydrazones of 1, 2-dicarbonyl compounds process for the production thereof and insecticidal or acaricidal compositions containing the same. Accepted on 24th January 1970.

Process for the production of phenylhydrazones in which a diazotised amine of appropriate formula is reacted with an active methylene compound or in which diazotised amine is reacted with a 2-halogen-1, 3-dicarbonyl compound.

117451. Voith Getriebe KG. Hydrodynamic gears for vehicles. Accepted on 27th January 1970.

Characterised by an equipment which automatically switches on the starting circuit of the opposite travelling direction when switching on the hydraulic braking system and consisting of two part equipments, one part serving to ascertain the state of hydraulic braking and to give a respective signal if any and the other part serving to, depending on the signal, to block up the automatic gear shift device.

117454. Uniroyal Englebert France, a Societe Anonyme. Equipment for the automatic building of radial carcasses of tyre casings. Accepted on 27th January 1970.

Comprising supply means for continuous strip of bias-cut breaker material, severing means, a building drum, breaker transfer means, tread applicator means, carcass support means, breaker tread transfer means and means associated with the carcass support means.

117510. Council of Scientific and Industrial Research. A process and field distillation unit for rose oil distillation. Accepted on 28th January 1970.

By subjecting the rose flowers to water distillation to obtain maximum recovery of the oil.

117652. Farbenfabriken Bayer Aktiengesellschaft. A process for the selective hydrogenation of pyrolysis gasoline. [Addition to No. 107609]. Accepted on 28th January 1970.

Comprising carrying out the hydrogenation treatment below 100°C which is followed by a similar treatment at 150—250°C using noble metals on aluminium spinel as catalyst.

117771. Glaverbel. Improvements in or relating to a process and apparatus for the manufacture of glass in sheet form by drawing. Accepted on 24th January 1970.

Comprising a tank furnace, a drawing kiln, means for drawing a continuous ribbon of glass and a barrier which serves to shield the glass entering the ribbon.

117812. Farbwerte Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thermoplastic moulding compositions. Accepted on 24th January 1970.

Thermoplastic moulding composition comprising a mixture of (a) a linear saturated polyester of aromatic dicarboxylic acid and optionally a small amount of aliphatic dicarboxylic acid and (b) a polymer of esters of acrylic, methacrylic or ethacrylic acid and saturated aliphatic or cycloaliphatic alcohols.

117814. Farbwerte Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of block copolymers. Accepted on 24th January 1970.

Process for the manufacture of block copolymers which comprises granulating a homogeneous mixture of at least two different linear saturated polyesters in the extruder and subjecting the granules to a post-condensation in the solid phase at elevated temperatures and under reduced pressures.

117815. Farbwerte Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Block copolymers and process for their manufacture. Accepted on 24th January 1970.

Block copolyester comprising (a) linear saturated polyesters of aromatic dicarboxylic acids and aliphatic or cycloaliphatic diols and (b) 2 to 15% by weight of polybutadiene diol, calculated on the total polyesters.

117840. Shell Internationale Research Maatschappij N. V. Preparation of improved conjugated diene polymers. Accepted on 24th January 1970.

Process for the preparation of conjugated diene polymer having improved properties, which comprises reacting a terminally inactivated conjugated diene polymer in solution with a lithium alkyl compound and a halo hydrocarbon or a polyvinyl substituted aromatic hydrocarbon.

117855. Hindustan Lever Limited. Soap. Accepted on 27th January 1970.

Derived from fatty acids comprising tallow fatty acids and synthetic fatty acids of which about 5 to 4% by weight of total fatty acids are branched chain.

117970. Smt. Chandra Das Sarma. A mechanical device for immobilising any vehicle in which the gear lever is attached to the steering column. Accepted on 20th January 1970.

Comprising a tube adapted for closing the gear lever, a grip-clip having two legs and two prongs, and a locking clip fitted to leg of the grip clip.

118002. Centre National De La Recherche Scientifique. A friction lining material suitable for use in apparatus. Accepted on 24th January 1970.

The lining material has a friction surface layer including inorganic ferro-magnetic particles bonded to one another.

118068. Siemens Aktiengesellschaft. Semiconductor component element. Accepted on 24th January 1970.

Comprising a semiconductor element which contains a semiconductor body, a plastic jacket which lies in contact with semiconductor element, housing part and supply part.

118083. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of shaped products obtained from polyfunctional aromatic cyanic acid esters. Accepted on 29th January 1970.

Polyfunctional aromatic cyanic acid esters are combined with pulverulent and/or fibrous fillers or reinforcing agents and are subjected to preliminary heat treatment before they are combined and the resulting composition is shaped and finally hardened at temperatures which are higher than during the pretreatment.

118110. Maschinenfabrik Rieter A. G. Nipper mechanism for combing machines. (10th April 1968). Accepted on 24th January 1970.

Comprises a bottom nipper arranged on nipper arms and connected through an arm to an oscillatable drive spindle for reciprocating said bottom nipper, and a top nipper being arranged on Corresponding nipper arms being pivotably connected to the bottom nipper.

118112. Veb Starkstrom-Anlagenbau Erfurt Test equipment for electronic protective and control members. (7th November 1967). Accepted on 29th January 1970.

Characterized due to the fact that one out of a variable transformer is led on to an input of a stabilizing and rectifying elements whose output is connected through a cancel key to two electronic amplifiers.

118193. B. D. H. Chemicals Limited. Method for reducing the formation of bacteria and/or fungi in a soluble oil emulsion system. (27th October 1967). Accepted on 24th January 1970.

Adding to the system an aqueous solution of an alkali metal salt of dichlorophen containing 1 to 20% v/v of an nonionic or anionic dispersant and/or chelating agent.

118270. Sandoz Ltd. Process for the production of perborates. Accepted on 30th January 1970.

Characterized by employing the borate in amount of less than 0.6 moles per mole of the hydrogen peroxide.

118336. Associated Electrical Industries Limited. Improvements relating to the electrode system of a three-phase electric arc furnace. (2nd November 1967). Accepted on 24th January 1970.

Includes a group of at least two conductors connected to each of two outer electrode holders and lying substantially parallel to at least one conductor connected to the middle electrode holder.

118359. Council of Scientific & Industrial Research. A modified process for producing copolymers of acrylonitrile, butadiene and styrene. Accepted on 24th January 1970.

Polymerizing butadiene with styrene or acrylonitrile and grafting the butadiene based elastomer thus obtained with a mixture of styrene and acrylonitrile.

118396. N. V. Philips Gloeilampenfabrieken. Semiconductor device and method of manufacturing same. Accepted on 24th January 1970.

Comprises a narrow annular zone of the first conductivity type, formed at the surface of the side of the semiconductor body in the semiconductor region and adjoins the edge zone.

118509. W. Dickinson and W. J. M. Haines. Improvements in the manufacture of structural members. Accepted on 24th January 1970.

Which consists in forming a layer of settable material on the bed of a mould, positioning a core or cores above the layer supporting a strip of sheet material on stressed wires above the core or cores, housing settable material into the mould to cover top and sides of the core or cores and moving the core or cores relative to the mould.

118544 Universal Oil Products Company. Improved process for the preparation of alkyl-aromatic hydrocarbons. Accepted on 28th January 1970.  
*Unreacted normal paraffins having from 9 to 20 carbon atoms are recovered and recycled to extinction without adverse effect on the stability of the catalyst used.*

118619 V. R. Sonti. Improvements in or relating to wood poles employed for supporting conductor wires for rural electrification purposes. Accepted on 24th January 1970.  
*A portion of stub or bottom piece is split lengthwise and said split lengths are separated by at least one block.*

118732 Farbenfabriken Bayer Aktiengesellschaft. Production of phosphoric, phosphonic or thiono-phosphoric (-phosphonic) acid esters or ester amides, insecticidal or acaricidal compositions containing same and stored products protected from damage by insects or acarids by use thereof. Accepted on 27th January 1970.  
*Reacting a 3-hydroxy-1, 2, 5 thiadiazole with a phosphoric, phosphonic, thiophosphoric or thiono-phosphonic acid ester or amide halide.*

119105. Stamicarbon N. V. Process for the preparation of urea in combination with the synthesis of ammonia. Accepted on 24th January 1970.  
*Comprises an  $NH_3$ ,  $N_2$  and  $H_2$  containing gas stream is passed to an absorbing zone and therein passed in counter current flow with a solvent for ammonia and the ammonia solution is passed to a desorbing zone and then passed in counter current flow with one or more desorbing gases under conditions of temperature and gas flow, and the ammonia containing gas is passed to the urea synthesis zone.*

119112 S. A. J. Liljendahl. A method for purifying water and apparatus therefor. Accepted on 24th January 1970.  
*Characterised in that a pressure vessel is filled partially with water and calcium hydroxide in such proportions that a paste-like mass is obtained which is allowed to settle with a horizontal upper surface and that fresh water is supplied above the upper surface of the paste in direct contact therewith so as to fill the remaining interior space of the pressure vessel and that dosing takes place by supplying a volume of fresh pressure water corresponding to the desired dosing volume.*

119277. Farwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of carbon tetrachloride. Accepted on 30th January 1970.  
*Comprises maintaining the hexachlorobenzene formed or added to the reaction products in solution is  $\text{O}_2$  at a temperature above  $76.7^\circ\text{C}$  at a pressure at least the vapor pressure of  $\text{O}_2$  and removing it discontinuously as the solution or returning it continuously to chlorolysis stage.*

119294. Imperial Chemical Industries Limited. Hydrocarbon reforming process and apparatus. Accepted on 24th January 1970.  
*Characterized in that the average time elapsing between the injection of the hydrocarbon feedstock and its contacting the catalyst is short enough for less than 20% of the hydrocarbon to become thermally cracked before it reaches the catalyst.*

119760. S. T. D. Services Limited. Improvements in and relating to the drawing of sheet metal. Accepted on 22nd January 1970.  
*Comprising a plurality of punches which are arranged to co-operate with a plurality of stationary dies of progressively decreasing size, a control circuit being provided for each telescoping punch.*

119823 FMC Corporation. Coupling for flanged pipe. Accepted on 30th January 1970.  
*Comprising a tubular coupling member, a coupling flange having a planar end face, a mounting ring, a resiliently flexible spring plate, means for preventing rotational movement of plate relative to the coupling member, cam means to regulate the interspacing of the flange and the ring and articulated clamp on the spring plate and having clamping surfaces arranged to confront the planar end face of the flange.*

119960. Universal Oil Products Company. Method for converting hydrocarbons into lower boiling hydrocarbon products. Accepted on 24th January 1970.  
*Comprises (a) preheating charge by indirect heat exchange with effluent, (b) passing for reaction into conversion zone containing hydrogen and conversion catalyst, (c) withdrawing effluent at reaction temperature, (d) cooling same (i) by indirect exchange with charge and (ii) with water to generate steam, (e) passing cooled effluent into separation zone to obtain liquid product stream and gaseous stream, (f) recovering products from liquid stream, (g) recycling gaseous stream to conversion zone and (h) passing generated steam into condensing turbine drive means.*

120117. Council of Scientific and Industrial Research. Process for the manufacture of sodium alginate from Indian brown seaweeds. Accepted on 28th January 1970.  
*Comprising of treatment of the fresh seaweeds with formalin solution hydrochloric acid leaching of the formalin treated seaweed at  $55-60^\circ\text{C}$  for 1-2 hours etc.*

120399 Ciba Limited. Process for the manufacture of highly disperse solids consisting of crosslinked urea-formaldehyde polycondensation products. Accepted on 27th January 1970.  
*Converting pre-condensate of urea and formaldehyde into cross-linked gel in presence of protective colloid by adding sulphonic acid, comminuting resulting gel, drying and de-agglomerating.*

120513. Phillips Petroleum Company. Process for producing carbon black. Accepted on 27th January 1970.  
*Comprises introducing hydrocarbon reactant into reaction zone, introducing the products of combustion from the combustion of a combustible gas with a free oxygen containing gas into the reaction zone in enveloping relationship to the reactant, and introducing the enveloped reactant into a carbon black formation zone to produce carbon black.*

120625. Tractel Tirfor India Private Limited. Improvements in or relating to pulley block. Accepted on 27th January 1970.  
*Comprising one or more pulleys moving freely over a spindle bolted to a pair of side frames pulleyguards for each side frame and a load carrying cross piece pivoted to one side frame and adapted to be locked against the other side frame.*

120780. Imperial Chemical Industries Limited. Coloration process. (17th April 1968). Accepted on 24th January 1970.  
*Treating with a particular type of atraquinone dyes in conjunction with a polymerisation catalyst.*

120845. Imperial Chemical Industries Limited. Improved slurried blasting explosive. (22nd April 1968). Accepted on 27th January 1970.  
*Comprising a water-soluble oxidising salt and fuel are suspended in an aqueous medium comprising, as a sensitising agent a liquid non-explosive organic nitrate.*

120994. Stamicarbon N. V. Process for urea production in combination ammonia synthesis. Accepted on 27th January 1970.

Comprising removing ammonium carbamate in urea solution by subjecting the urea solution to two stripping stages at substantially the same high pressure, wherein in the first stripping stage the stripping gas is the urea synthesis starting gas containing hydrogen, nitrogen and carbon dioxide, while the second stripping gas being essentially free of ammonia and carbon dioxide.

121100 Council of Scientific and Industrial Research. Improvements in or relating to the electrolytic preparation of potassium chlorate from potassium chloride. Accepted on 27th January 1970.

Comprises saturated solution of potassium chloride in a cell having lead dioxide as anode and stainless steel or iron as cathode, using an anode current density of 1 to 25 amp/dm<sup>2</sup> at a temperature of 40°—70°C and potassium chromate as addition agent.

121368. Sumitomo Chemical Company, Ltd. Method for producing concentrated nitric acid. Accepted on 27th January 1970.

Comprises contacting vapours of HNO<sub>3</sub> of 80—90% by weight with a concentrated HNO<sub>3</sub> containing more than 97% by weight of HNO<sub>3</sub> and 20—30% of N<sub>2</sub>O<sub>4</sub>.

122858. Honda Giken Kogyo Kabushiki Kaisha. Air-cooling apparatus for motorcar engine. Accepted on 21st January 1970.

An internal combustion engine mounted on a car body and its provided at its cylinder main body portion and its cylinder head portion with respective forced cooling air passages and these two passages are in communication with a single common air blower.

123561. Imperial Chemical Industries Limited. Catalytic process for the manufacture of pyridine and methylpyridines. (9th November 1967). [Divisional date 6th May 1968]. Accepted on 27th January 1970.

Interacting vapor phase ammonia and acrolin in presence of zincfluoride supported on silica and/or alumina.

123562. Imperial Chemical Industries Limited. Catalytic process for the manufacture of pyridine and methylpyridines. (17th January 1968). [Divisional date 6th May 1968] Accepted on 27th January 1970.

Interacting vapor phase ammonia and acrolin in presence of molecular oxygen and silver or chromium oxide.

123800 BP Chemicals (U.K.) Limited. Production of lactams. [Divisional date 17th May 1968]. Accepted on 29th January 1970.

Heating a solution of peroxvamine in a non-hydrocarbon organic solvent.

124666. R. G. DePenning. Improvements in or relating to feeding apparatus for the serial feeding of card stock. [Divisional date 18th April 1968]. Accepted on 19th January 1970.

Comprising a fixed abutment plate, a friction feed wheel, a nudger wheel, an inclined bed plate, an adjustable abutment plate, constant force means coupled to adjustable abutment plate, feed rollers and override clutch coupled to friction wheel.

124667. R. G. DePenning. A document transport and stacker apparatus for a document reproducing apparatus. [Divisional date 18th April 1968] Accepted on 19th January 1970.

Comprising an endless transport belt, drive means for same, document positioning control means, document securing means, document removing means, second transport means, stacker transport means, and stacker unit.

124668. R. G. DePenning. Apparatus for separating and advancing sheets having varied physical characteristics. [Divisional date 18th April 1968]. Accepted on 19th January 1970

Comprising stack supporting means, nudging means for advancing the uppermost sheet, wrap forming means for separating over-lapping sheets, including a throat into which sheets are advanced by nudging means, sheet advancing means, and control means for selectively actuating sheet advancing means.

124776 Siemens Aktiengesellschaft. A helical-flow vortex separator. [Divisional date 17th April 1968]. Accepted on 17th January 1970.

Wherein coaxially to the pure gas outlet a branch off pipe is arranged and connected to auxiliary gas nozzles opening into the vessel, the outlet of the pipe ending at a distance above entry of the inlet pipe into the vessel and the inlet end being projecting into the vessel at upstream end of the pure gas outlet.

#### Patents Sealed

104214	105271.	108113.	109993.	111180.	111275.	111474.
111610.	111677.	111688.	111735.	111886.	111923.	112066.
112091.	112157.	112171.	112217.	112242.	112293.	112349.
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112710.	112809.	112904.	112937.	112946.	112955.	113048.
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114308	114363.	114374.	114401.	114420.	114444.	114473.
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116686.	116699.	116765.	117028.	117029.	117039.	117088.
117177.	117332.	117347.	117413.			

#### Renewal Fees Paid

53724	53766.	54243.	54406.	54493.	56388.	56469.	56575.
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63110.	63140.	63142.	63143.	63144.	63145.	63146.	63147.
63148.	63179.	63186.	63219.	63236.	63270.	63274.	64282.
65394.	65768.	66355.	66356.	66447.	66469.	66617.	66623.
66659.	66663.	66739.	66757.	66830.	66834.	66935.	67038.
67087.	67251.	67252.	67312.	67897.	70588.	70620.	70666.
70673.	70687.	70688.	70690.	70735.	70764.	70814.	70867.
70880.	70916.	70983.	71032.	71089.	71116.	71232.	71275.
71356.	71357.	71718.	72601.	74322.	75140.	75213.	75224.
75246.	75252.	75296.	75300.	75322.	75327.	75329.	75331.
75345.	75373.	75412.	75415.	75425.	75437.	75440.	75451.
75477.	75542.	75543.	75580.	75658.	75662.	75663.	75831.
75844.	77314.	78211.	79764.	80411.	80433.	80623.	80624.
80647.	80723.	80736.	80774.	80775.	80776.	80778.	80779.
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86949.	87618.	87055.	87068.	87193.	87433.	88142.	88257.
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91945.	91955.	91960.	91975.	91992.	92010.	92083.	92106.
92129.	92130.	92141.	92142.	92147.	92178.	92192.	92222.
92228.	92230.	92231.	92259.	92260.	92267.	92305.	92315.
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92419. 92422. 92427. 92475. 92681. 92688. 92788. 92854.  
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 97762. 97782. 97789. 97818. 97819. 97820. 97823. 97833.  
 97834. 97849. 97859. 97874. 97886. 97894. 97896. 97902.  
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 109163. 109288. 109289. 109291. 109293. 109380. 109505.  
 109550. 109603. 111229. 116414.

#### Cessation of Patents

77331. 77332. 77337. 77342. 77346. 77347. 77349. 77356.  
 77357. 77360. 77364. 77365. 77368. 91627. 91628. 91630.  
 91633. 91635. 91644. 93213. 93215. 93216. 93224. 93225.  
 93226. 93232.

#### Restoration Proceedings

##### (1)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of following patent:—

No. 63758—Menghraj Wasiomal Lalchandani.

The patent ceased on the 16th April 1966, owing to non-payment of renewal fee within the prescribed time and cessation of the patent was notified in Part III, Section 2 of the Gazette of India dated the 15th April 1967. Any person may give notice of opposition to the restoration by leaving an application on Form 6 of the Indian Patents & Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta-17, on or before the 28th March 1970.

##### (2)

An order has been made on the 19th January 1970, restoring the patent No. 85760 dated as of the 22nd December 1962 granted to Chandan Metal Products Private Limited for "improvements in or relating to a locking device for cabinets".

##### (3)

An order has been made on the 14th March 1969, restoring the patent No. 92417 dated as of the 24th February 1964, granted to Rohit Harishchandra Parikh for "weather proof guide roller or harness sheeves for shaft raising motion with spring traction or top roller motion for weaving looms in textile industry."

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 136622. Nirmal Kumar Saha, Indian, Flat No. 6, Block No. 11, Premises No. 131, Netaji Subhas Chandra Bose Road, Calcutta 40, West Bengal, "Pant hangers.", October 27, 1969.

Class 3. No. 136063. Hiro Tekchand Bolakani, Indian National, Trading in the name of Hindustan Water Treatment Industries, 13, Sadminee, 10 Colony Road, Sion (West), Bombay-22, Maharashtra, India "A Blood Therapy Magnet", June 26, 1969.

Class 3. No. 136342. Kannuswamy Parthasarathy, Annamalainagar P.O., South Arcot District, Tamil Nadu (India), an Indian subject, "An electric two pin wall socket assembly". August 25, 1969.

Class 3. No. 136344. Kannuswamy Parthasarathy, Annamalainagar P.O., South Arcot District, Tamil Nadu (India), an Indian subject, "An electric three pin wall socket assembly", August 25, 1969.

Class 4. No. 136343. Kannuswamy Parthasarathy, Annamalainagar P.O., South Arcot District, Tamil Nadu (India), an Indian subject, "An electric two pin wall socket assembly", August 25, 1969.

Class 4. No. 136345. Kannuswamy Parthasarathy, Annamalainagar P.O., South Arcot District, Tamil Nadu (India), An Indian subject, "An electric three pin wall socket assembly", August 25, 1969.

Class 13. Nos. 136687 to 136716. Shree Ram Mills Ltd., Fergusson Road, Lower Parel, Bombay 13, Maharashtra, Indian Company, "Textile goods", November 7, 1968.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 127130, 127131, 124125, 124181, 122654, 123732, 123391, 125288 Class—1.

Design No. 123956 Class—3.

#### COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 128608 Class—3.

Design Nos. 129917, 135312, 129918 Class—4.

#### CANCELLATION OF THE REGISTRATION OF DESIGNS

##### (1)

An application made by Jeewanlal (1929) Limited for cancellation of design No. 128131 in class 1, in the name of Ibrahim Gulam Hussain Currimbhoy & Others trading as Currimbhoy Industries, which was notified in Part III, Section 2 of the Gazette of India dated the 8th April 1967, the registration of the said design has been cancelled.

##### (2)

An application made by M. Ramiah & Sons for cancellation of design No. 128131 in class 1, in the name of Ibrahim Gulam Hussain Currimbhoy & Others trading as Currimbhoy Industries, which was notified in Part III, Section 2 of the Gazette of India dated the 13th May 1967, the registration of the said design has been cancelled.

S. VEDARAMAN,  
 Controller General of Patents,  
 Designs and Trade Marks.

